



SUNBEAM

GRAVITY FURNACES WINTER AIR CONDITIONERS

PRICE BOOK SE-4

SEPTEMBER 26, 1949

NOTICE

*The Trade Prices shown herein do not include
freight or cartage*

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AMERICAN & **Standard**
RADIATOR & **Sanitary**

CORPORATION

Pittsburgh 30, Pa.

Illustrations and descriptions of Plate Numbers listed in the price book will be found in the Warm Air Heating Equipment Section of the "AMERICAN-STANDARD" GENERAL CATALOGUE. Items illustrated in the GENERAL CATALOGUE and not included in this price book are discontinued. Items added since the issuance of the last Catalogue Revision are described for identification.

PRICES

All prices herein quoted supersede all prior quotations and are subject to change without notice.

No obligation is assumed by this Corporation to sell to any one holding this book any of the items listed herein at the prices stated.

A minimum invoice charge of forty-five cents (.45) will apply on any item including repair parts.

TAXES

To the prices and terms quoted add any Manufacturers' or Sales Tax payable on the transaction under any effective statute.

TRANSPORTATION CLAIMS

The responsibility of this Corporation ceases upon delivery of goods in good order to transportation companies, and all goods are shipped at consignees' risk.

ORDERS

The Corporation shall not be liable for any delay or failure in the delivery or shipment of products or for any damages suffered by reason of such delay or failure, when such delay or failure is, directly or indirectly, due to fire, flood, accidents, riots, war, embargo, labor stoppages, inadequate transportation facilities, shortage of material or supplies, regulation by Governmental authority, or any cause or causes beyond this Corporation's control.

GUARANTEE

We guarantee goods manufactured by this Corporation to the extent that we shall furnish by freight new articles or parts for any articles or parts of such goods found defective in workmanship or material within one year after installation.

In all claims, no labor or other consequential damages shall be allowed.

Goods of other manufacturers sold by us are not guaranteed by this Corporation.

CLAIMS

No claims under the above guarantee, or for variances from or shortages in orders will be allowed, unless presented within sixty (60) days after receipt of goods.

SPECIAL PRODUCTS

Items of special nature or products requiring special manufacture or supervision are not subject to change or cancellation after production is started.

RETURNED GOODS

Good material of standard manufacture must not be returned for credit without first securing written permission, and when so returned will be subject to a deduction of 10% for re-handling, and all transportation charges, including freight and cartage, will be paid by shipper.

Materials made on special order are not subject to return.

SHIPPING WEIGHTS

Weights are for customers' convenience only, are approximate and not guaranteed.

FREIGHT ALLOWANCES

All previous freight allowances are void.

SHIPMENTS OF **AMERICAN-Standard** WARM AIR HEATING EQUIPMENT INCLUDING SUNBEAM GRAVITY FURNACES, WINTER AIR CONDITIONERS, FLOOR FURNACES, BLOWER-FILTER UNITS, ARCOFLAME OIL BURNERS AND CONTROLS, AND (HUMIDIFIERS, CONTROLS AND ACCESSORIES WHEN SHIPPED WITH COMPLETE UNITS) ARE:

F.o.b. Factory with the rail carload rate of freight allowed as maximum on shipments of 200 pounds or more; this allowance not to exceed the lowest volume rate. **No freight allowance will be made** on shipments of less than 200 pounds.

In no case is this allowance to be in excess of the actual freight paid.

No freight allowance will be made on shipments of Repair Parts or on shipments of Humidifiers, Controls and Accessories when shipped separately.

AIR FILTERS FOR REPLACEMENT

Shipments of twelve (12) or more Air Filters are f.o.b. Factory with rail freight up to the amount of \$2.86 per hundred pounds allowed.

WATER HEATERS

Shipments of Water Heaters are f.o.b. Factory with the rail carload rate of freight allowed as maximum on shipments of 200 pounds or more; this allowance not to exceed the lowest volume rate. **No freight allowance will be made** on shipments of less than 200 pounds.

In no case is this allowance to be in excess of the actual freight paid.

No freight allowance will be made on shipments of Water Heater Repair Parts.

On orders for shipment to any point not in the 48 United States, or the District of Columbia, freight allowances will be those applicable to the port of export only.

Above allowances will not include any additional charges not included in road haul rates for services performed by carrier at destination, such as detention of carrier's equipment, redeliveries, etc. Any such additional charges will be for account of the wholesale distributor.

We reserve the choice of transportation facilities and shipping point.

Freight allowances are subject to change without notice.

AMERICAN & Standard
RADIATOR & Sanitary
CORPORATION
Pittsburgh 30, Pa.

Converting Requirements In Square Inches to Btu**Capacities at Registers**

Square Inch Ratings shown for all Sunbeam Gravity Furnaces are based on approximately one-half of capacity being supplied to first floor and one-half to second floor. For conditions where entire demand is all on one floor, or is substantially greater on one floor than the other, convert the square inch requirements of the installation into Btu by the following method:

Multiply square inch requirements of first floor by 111;

Multiply square inch requirements of second floor by 167;

Add the results and select Furnace having Btu capacity at register equal to or greater than the total.

Examples:

1. Assume one story building requires 675 square inches of leader pipe:

$$675 \times 111 = 74,925 \text{ Btu at registers}$$

2. Assume two story building with furnace heating only second floor requires 390 square inches of leader pipe:

$$390 \times 167 = 65,130 \text{ Btu at registers}$$

3. Assume two story building requires 565 square inches of leader pipe on first floor, and 185 square inches on second floor:

$$565 \times 111 = 62,715 \text{ Btu at registers — first floor}$$

$$185 \times 167 = 30,895 \text{ Btu at registers — second floor}$$

$$\underline{93,610 \text{ Total Btu at registers}}$$

Ratings

Square Inch Ratings are calculated by dividing the Btu Capacity at Registers by 136.

Btu Capacity at Registers for all Sunbeam Gravity Furnaces is 75% of Btu Capacity at Bonnet.

Btu Capacity at Registers for all Sunbeam Winter Air Conditioners is 85% of Btu Capacity at Bonnet.

Hand Fired

AMERICAN-Standard

HEATING EQUIPMENT

Sunbeam Furnaces

SUNBEAM HAND FIRED FURNACES

CAST IRON
Catalogue Page S1-6

KENWOOD Cast Iron Pipe Furnace

Furnace Number	Diam. Fire Pot	††Rating Square Inches	Btu Capacity at Registers	Furnace Only		Casing and Hood		Furnace with Casing and Hood	
				Trade Prices	Approx. Shipping Weight	Trade Prices	Approx. Shipping Weight	Trade Prices	Approx. Shipping Weight
A-1018-CD	18"	390	53,000	\$ 92.00	699	\$ 8.00	56	\$100.00	755
A-1040-CD	20"	467	63,500	99.50	835	10.50	68	110.00	903
A-1044-CD	22"	537	73,000	111.50	965	12.50	74	124.00	1039
A-1048-CD	24"	597	81,200	125.00	1076	14.00	80	139.00	1156
A-1052-CD	26"	683	92,900	152.00	1376	17.00	92	169.00	1468

STANDARD EQUIPMENT—Check draft, finishing collars, vapor pan, poker, draft regulator, chain and pulleys, asbestos cement, nuts and bolts.

NOTE: Cone type hoods are regularly furnished. Flat top or one pipe type hoods furnished when ordered without extra charge.

††SEE PAGE 3—"CONVERTING REQUIREMENTS IN SQUARE INCHES TO BTU CAPACITIES AT REGISTERS."

KENWOOD Cast Iron Pipeless Furnace

Furnace Number	Diameter Fire Pot	Btu Capacity	Trade Prices Complete	Approximate Shipping Weight
A-1018-BD	18"	70,700	\$124.00	916
A-1040-BD	20"	84,700	144.00	1121
A-1044-BD	22"	97,300	167.00	1266
A-1048-BD	24"	108,100	189.00	1410
A-1052-BD	26"	123,800	216.00	1737

STANDARD EQUIPMENT—Register, check draft, vapor pan, poker, draft regulator, chain and pulleys, asbestos cement, nuts and bolts, warm-air and return-air extensions.

NOTE: Duplex Grates are regularly furnished with Kenwood Pipe and Pipeless Furnaces. Triangular Grates are available at no additional charge; when ordered, specify with suffixes "CT" or "BT," instead of "CD" or "BD," respectively.

ARLINGTON Steel Pipeless Furnace

Furnace Number	Diameter Shell	Btu Capacity	Trade Prices Complete	Approximate Shipping Weight
BD-520	20"	90,500	\$151.00	1102
BD-522	22"	112,800	177.00	1157
BD-524	24"	126,200	207.00	1255
BD-527	27"	134,500	239.00	1369

STANDARD EQUIPMENT—Register, check draft, vapor pan, poker, draft regulator, chain and pulleys, asbestos cement, nuts and bolts, warm-air and return-air extensions.

SEE PAGE 20 FOR HUMIDIFYING EQUIPMENT; PAGE 21 FOR TEMPERATURE CONTROL EQUIPMENT.

NOTE: Deduct 5% from price of Cast Iron or Steel Furnace Only, respectively, for omission of Grate Assembly, Ashpit Door, and Hand Firing Accessories.

SUNBEAM HAND FIRED FURNACES
ARLINGTON Steel Pipe Furnace
 Catalogue Page S7-10
 GALVANIZED ROUND CASING

Furnace Number	Diam. Shell	††Rating Square Inches	Btu Capacity at Registers	Furnace Only		Casing and Hood		Furnace with Casing and Hood	
				Trade Prices	Approx. Shipping Weight	Trade Prices	Approx. Shipping Weight	Trade Prices	Approx. Shipping Weight
D-520	20"	499	67,800	\$ 98.00	809	\$12.00	70	\$110.00	879
D-522	22"	622	84,600	115.20	856	13.80	75	129.00	931
D-524	24"	696	94,600	136.40	921	15.60	77	152.00	998
D-527	27"	741	100,800	168.30	1021	17.70	81	186.00	1102

STANDARD EQUIPMENT—Check draft, finishing collars, vapor pan, poker, draft regulator, chain and pulleys, nuts and bolts.

CLIFTON Steel Pipe Furnace
 Catalogue Page S13-15, 17
 GALVANIZED ROUND CASING

Furnace Number	Diam. Shell	††Rating Square Inches	Btu Capacity at Registers	Furnace Only		Casing and Hood		Furnace with Casing and Hood	
				Trade Prices	Approx. Shipping Weight	Trade Prices	Approx. Shipping Weight	Trade Prices	Approx. Shipping Weight
D-8030	30"	943	128,200	\$225.50	1375	\$21.50	101	\$247.00	1476
C-8034	34"	1,024	139,300	300.50	1553	24.50	113	325.00	1666

STANDARD EQUIPMENT—Check draft, finishing collars, vapor pan, poker, draft regulator, chain and pulleys, nuts and bolts.

Smoke Tees for Clifton Steel Furnaces:
 10"—\$4.00 Trade Price

ARLINGTON "SQUARE" Steel Pipe Furnace
 Catalogue Page S11-12
 SQUARE METAL JACKET

Furnace Number	Diameter Shell	††Rating Square Inches	Btu Capacity at Registers	Furnace With Square Jacket and Flat Hood	
				Trade Prices	Approx. Shipping Weight
D-520-SQ	20"	499	67,800	\$120.00	1059
D-522-SQ	22"	622	84,600	142.00	1115
D-524-SQ	24"	696	94,600	162.00	1205
D-527-SQ	27"	741	100,800	197.00	1317

STANDARD EQUIPMENT—Square Metal Jacket with inner liner, check draft, finishing collars, poker, draft regulator, chain and pulleys, nuts and bolts.

NOTE: Deduct 5% from price of Furnace Only for omission of Grate Assembly, Ashpit Door, and Hand Firing Accessories.

NOTE: Cone type hoods are regularly furnished with Arlington Pipe and Clifton Models. Flat top or one pipe type hoods furnished when ordered without extra charge. The Arlington "Square" Model is furnished only with straight side flat top hood which is a part of the jacket.

††SEE PAGE 3—"CONVERTING REQUIREMENTS IN SQUARE INCHES TO BTU CAPACITIES AT REGISTERS."

SEE PAGE 20 FOR HUMIDIFYING EQUIPMENT; PAGE 21 FOR TEMPERATURE CONTROL EQUIPMENT.

Oil Fired

AMERICAN-Standard

HEATING EQUIPMENT

Sunbeam Furnaces

SUNBEAM OIL FIRED FURNACES

ARLINGTON Steel Pipe Furnace
Catalogue Page S7-10
GALVANIZED ROUND CASING

Furnace Number	Diam. Shell	Rating Square Inches	Btu Capacity at Registers	Furnace Only		Casing and Hood		Furnace with Casing and Hood	
				Trade Prices	Approx. Shipping Weight	Trade Prices	Approx. Shipping Weight	Trade Prices	Approx. Shipping Weight
D-520-G or R	20"	596	81,000	\$ 98.00	601	\$12.00	70	\$110.00	671
D-522-G or R	22"	622	84,600	115.20	627	13.80	75	129.00	702
D-524-G or R	24"	696	94,600	136.40	656	15.60	77	152.00	733
D-527-G or R	27"	741	100,800	168.30	730	17.70	81	186.00	811

STANDARD EQUIPMENT—Finishing collars, vapor pan, nuts and bolts.

CLIFTON Steel Pipe Furnace
Catalogue Page S13-17
GALVANIZED ROUND CASING

Furnace Number	Diam. Shell	Rating Square Inches	Btu Capacity at Registers	Furnace Only		Casing and Hood		Furnace with Casing and Hood	
				Trade Prices	Approx. Shipping Weight	Trade Prices	Approx. Shipping Weight	Trade Prices	Approx. Shipping Weight
D-8030-G or R	30"	943	128,200	\$225.50	948	\$21.50	101	\$247.00	1049
C-8034-G or R	34"	1024	139,300	300.50	1057	24.50	113	325.00	1170

Smoke Tees for Clifton Steel Furnaces:
10"—\$4.00 Trade Price

STANDARD EQUIPMENT—Finishing collars, vapor pan, nuts and bolts.

ARLINGTON "SQUARE" Steel Pipe Furnace
Catalogue Page S11-12
SQUARE METAL JACKET

Furnace Number	Diam. Shell	Rating Square Inches	Btu Capacity at Registers	Furnace with Square Jacket and Flat Hood	
				Trade Prices	Approx. Shipping Weight
D-520-SQG or SQR	20"	596	81,000	\$120.00	883
D-522-SQG or SQR	22"	622	84,600	142.00	916
D-524-SQG or SQR	24"	696	94,600	162.00	978
D-527-SQG or SQR	27"	741	100,800	197.00	1068

STANDARD EQUIPMENT—Square Metal Jacket with inner liner, finishing collars, nuts and bolts.

IMPORTANT: When ordering specify whether for use with Gun (G) or Rotary (R) Type Burner. Grates and Fire Brick are not furnished. Special fire doors and burner doors are supplied. For Gun Type Burners, furnaces will be equipped with mineral wool insulation and supporting and retaining plates for insulation. For Rotary Type Burners, furnaces will be equipped with cast iron hearth rings and brackets, hearth plate, fire box liners and mineral wool insulation.

NOTE: Sufficient space is not available on the standard hood for the total rating to be used by a number of small pipe take-offs. For such a condition 12" pipe take-offs with "Y" connections may be used.

NOTE: Cone type hoods are regularly furnished with Arlington Pipe and Clifton Models. Flat top or one pipe type hoods furnished when ordered, without extra charge. The Arlington "Square" is furnished only with straight side flat top hood which is a part of the jacket.

†SEE PAGE 3—"CONVERTING REQUIREMENTS IN SQUARE INCHES TO BTU CAPACITIES AT REGISTERS."

SEE PAGE 17 FOR ARCOFLAME OIL BURNERS AND CONTROLS; PAGE 18 FOR CORRECT SIZE ARCOFLAME OIL BURNERS TO BE USED WITH THESE UNITS; PAGE 20 FOR HUMIDIFYING EQUIPMENT.

SUNBEAM STOKER FIRED FURNACES

 ARLINGTON Steel Pipe Furnace
 Catalogue Page S7-10
 GALVANIZED ROUND CASING

Furnace Number	Diam. Shell	†† Rating Square Inches	●Btu Capacity at Registers	Furnace Only		Casing and Hood		Furnace with Casing and Hood	
				Trade Prices	Approx. Shipping Weight	Trade Prices	Approx. Shipping Weight	Trade Prices	Approx. Shipping Weight
†D-520-SA	20"	596	81,000	\$ 98.00	752	\$12.00	70	\$110.00	822
†D-522-SA	22"	622	84,600	115.20	790	13.80	75	129.00	865
D-524-SA	24"	696	94,600	136.40	855	15.60	77	152.00	932
D-527-SA	27"	741	100,800	168.30	939	17.70	81	186.00	1020

STANDARD EQUIPMENT—Finishing collars, vapor pan, poker, nuts and bolts.

 CLIFTON Steel Pipe Furnace
 Catalogue Page S13-15, 17
 GALVANIZED ROUND CASING

Furnace Number	Diam. Shell	†† Rating Square Inches	●Btu Capacity at Registers	Furnace Only		Casing and Hood		Furnace with Casing and Hood	
				Trade Prices	Approx. Shipping Weight	Trade Prices	Approx. Shipping Weight	Trade Prices	Approx. Shipping Weight
D-8030-SA	30"	943	128,200	\$225.50	1205	\$21.50	101	\$247.00	1306
C-8034-SA	34"	1024	139,300	300.50	1355	24.50	113	325.00	1468

STANDARD EQUIPMENT—Finishing collars, vapor pan, poker, nuts and bolts.

 Smoke Tees for Clifton Steel Furnaces:
 10"—\$4.00 Trade Price

 ARLINGTON "SQUARE" Steel Pipe Furnace
 Catalogue Page S11-12
 SQUARE METAL JACKET

Furnace Number	Diam. Shell	†† Rating Square Inches	●Btu Capacity at Registers	Furnace with Square Jacket and Flat Hood	
				Trade Prices	Approximate Shipping Weight
†D-520-SQS	20"	596	81,000	\$120.00	1015
†D-522-SQS	22"	622	84,600	142.00	1062
D-524-SQS	24"	696	94,600	162.00	1145
D-527-SQS	27"	741	100,800	197.00	1255

STANDARD EQUIPMENT—Square Metal Jacket with inner liner, finishing collars, poker, nuts and bolts.

Furnace is equipped with three steel chutes for firing from rear or left or right hand side, fire brick lining and supports. Metal plates and gaskets are provided to seal chutes not used.

When stoker is to be installed in front or below base of furnace, the above models cannot be used and hand fired models as shown on page 5 should be ordered less grate assembly and ash pit door.

†NOTE: These sizes equipped with steel chutes on right and left side only.

●NOTE: Sufficient space is not available on the standard hood for the total rating to be used by a number of small pipe take-offs. For such a condition 12" pipe take-offs with "Y" connections may be used.

NOTE: Cone type hoods are regularly furnished with Arlington Pipe and Clifton Models. Flat top or one pipe type hoods furnished when ordered, without extra charge. The Arlington "Square" is furnished only with straight side flat top hood which is a part of the jacket.

†SEE PAGE 3—"CONVERTING REQUIREMENTS IN SQUARE INCHES TO BTU CAPACITIES AT REGISTERS."

SEE PAGE 20 FOR HUMIDIFYING EQUIPMENT.

Gas Fired

AMERICAN-Standard

HEATING EQUIPMENT

Sunbeam Furnaces

SUNBEAM GAS FIRED FURNACES

SHAWNEE — Steel Heating Element

Catalogue Page S18-19, 29

Furnace Number	For Use with Manufactured, Natural or Mixed Gas; L. P. Gas and Butane-Air Gas (525 Btu 1.16 Sp. Gr.)			Trade Prices with Standard Equipment	Approx. Shipping Weight
	A.G.A. Rating Btu Input per Hour	Btu Capacity at Registers	††Rating Square Inches		
★SGA-65	65,000	36,560	268	\$109.50	270
★SGA-80	80,000	45,000	331	118.00	303
SG-105	105,000	59,060	435	129.00	361
SG-120	120,000	67,500	496	137.00	407
SG-140	140,000	78,750	579	162.50	477

★FACTORY ASSEMBLED.

Standard Equipment Includes:

Metal Jacket.
Steel Heating Element.
Pilot Filter and Gas Pressure Regulator (Except for L. P. Gas).
Manual Shut-off Valve.
Control Combination as specified.

Series No. 500 Baso Automatic Pilot Valve.
Ribbon Burners.
Draft Hood.

Control Combination GF-1	Control Combination GF-2
For Use with Manufactured, Natural or Mixed Gas.	For Use with Manufactured, Natural or Mixed Gas.
Detroit No. 411-CH Plain Thermostat. Detroit No. V-570-M Automatic Gas Valve and Transformer.	MH No. T-81-A Plain Thermostat. MH Solenoid Gas Valve and Transformer. V-635-D except for SG-120 and SG-140 for Mfd. Gas. V-64-C for SG-120 and SG-140 for Mfd. Gas.

Control Combination GF-4

For Use with L. P. Gas or Butane-Air Gas (525 Btu 1.16 Sp. Gr.)
(Arranged for 100% Safety Shut-off)

Detroit No. 411-CH Plain Thermostat.
Detroit Automatic Gas Valve and Transformer:
No. V-570-M for Butane-Air (525 Btu 1.16 Sp. Gr.)
No. V-571-M for L. P. Gas.

CONTROL COMBINATION BY NUMBER MUST BE SPECIFIED WITH EACH UNIT.

OPTIONAL EQUIPMENT

No. LA-119-A Limit Switch (Airstat) for MH Controls (Catalogue Page S28)... \$ 7.43
No. CA-805 Air Limit Control for DL Controls..... 7.35

††SEE PAGE 3—"CONVERTING REQUIREMENTS IN SQUARE INCHES TO BTU CAPACITIES AT REGISTERS."

SEE PAGE 20 FOR HUMIDIFYING EQUIPMENT; PAGE 21 FOR OPTIONAL TEMPERATURE CONTROL EQUIPMENT.

Instructions for Ordering

Orders must specify (1) Control Combination desired.
(2) Type of Gas. (If L. P. Gas, whether Butane or Propane).
(3) Heat Value of Gas—Btu (at 60°F. and 30 inches Hg).
(4) Pressure available at outlet of Gas Meter.
(5) Specific Gravity of Gas.
(6) Elevation at point of installation if in excess of 2000 feet.

RATINGS INDICATED ABOVE ARE FOR INSTALLATIONS AT SEA LEVEL AND AT ELEVATIONS UP TO 2000 FEET. FOR RATINGS FROM 2000 FEET TO 5200 FEET AND ABOVE, REFER TO CURRENT LITERATURE.

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SUNBEAM GAS FIRED FLOOR FURNACES

SAGINAW — Steel Heating Element

Catalogue Page S20-21, 30

Furnace No.	A.G.A. Rating						Trade Prices with Standard Equipment				App. Shipping Wgt.
	For Use with Mfd., Nat. or Mixed Gas		For Use with L. P. Gas		For Use with Butane-Air Gas 525 Btu, 1.16 Sp. Gr.		With Control Combination A	With Control Combination B	With Control Combination C	With Control Combination E	
	Btu Input per Hour	Btu Output per Hour	Btu Input per Hour	Btu Output per Hour	Btu Input per Hour	Btu Output per Hour					
Q-20	20,000	14,000	20,000	14,000	20,000	14,000	\$33.00	\$38.00	\$50.60*	\$56.50	110
Q-35	35,000	24,500	35,000	24,500			41.45	46.45	59.05*	64.95	135

Standard Equipment Includes:

Welded Steel Heating Element.
Outer and Inner Casing.
Floor Register.
Control Combination as specified.

Burner, Piping, Lighting Rod.
Gas Pressure Regulator (Except for L. P. Gas.)
Draft Hood.

Control Combination A — Manual Control with Locking Device

For Use with Mfd., Nat., or Mixed Gas.

Main and Pilot Gas Cocks.
Pilot Burner.

Control Combination C — General Controls Self-Energizing Set

*For Use with Mixed Gas (800 Btu Minimum Content) or Natural Gas only.

Main and Pilot Gas Cocks.
T-80-1 Thermostat.
B-60-6 Automatic Gas Valve.
PG-6 Pilot Generator.
30 Ft. Two-wire Cable.

Control Combination B — Manual Control with Base Automatic Pilot

For Use with Mfd., Nat., Mixed or L. P. Gas.

No. 831-1 Base Thermostatic Main and Pilot Valve—(100% "Shut-off").
Pilot Burner.

Control Combination E — Minneapolis-Honeywell Y-77-C Low Voltage Set

For Use with Mfd., Nat., Mixed, or L. P. Gas.

No. 831-1 Base Automatic Main and Pilot Valve—(100% "Shut-off").
Pilot Burner.
No. T-81-A Plain Thermostat.
No V-835-D Solenoid Gas Valve and Transformer.
30 Ft. Two-wire Cable.

IMPORTANT NOTE: Specify ONLY Control Combination B or E for Use with Liquefied Petroleum Gas or Butane-Air Gas, 525 Btu, 1.16 Sp. Gr. Deduct \$3.35 from Trade Prices shown above for omission of Gas Pressure Regulator when specified for L. P. Gas.

CONTROL COMBINATION BY LETTER DESIGNATION MUST BE SPECIFIED WITH EACH UNIT

Instructions for Ordering

- Orders must specify (1) Control Combination Desired.
(2) Type of Gas. (If L. P. Gas, whether Butane or Propane.)
(3) Heat Value of Gas—Btu (at 60°F. and 30 inches Hg).
(4) Pressure available at outlet of Gas Meter.
(5) Specific Gravity of Gas.
(6) Elevation at point of Installation if in excess of 2,000 feet.

RATINGS SHOWN ARE FOR ELEVATIONS UP TO 2,000 FEET. FOR ELEVATIONS ABOVE 2,000 FEET, RATINGS SHALL BE REDUCED AT THE RATE OF 5 PER CENT FOR EACH 1,000 FEET ABOVE SEA LEVEL.

Hand Fired

AMERICAN-Standard
HEATING EQUIPMENT

Sunbeam Winter Air
Conditioners

SUNBEAM WINTER AIR CONDITIONERS

HAND FIRED

ALLERTON — Steel Heating Element

Catalogue Page S34-37

Unit Number	Btu Capacity at Registers	Trade Prices with Standard Equipment	Approximate Shipping Weight
D-5520	86,100	\$186.00	1205
D-5522	107,300	208.00	1256
D-5524	120,000	238.00	1370
D-5527	127,900	278.00	1538

CLIFFDALE — Steel Heating Element

Catalogue Page S38-40

Unit Number	Btu Capacity at Registers	Trade Prices Including Smoke Tee and Standard Equipment	Approximate Shipping Weight
D-3080	162,500	\$376.00	2219
C-3480-B	177,000	457.00	2432

Standard Equipment Includes:

Square Metal Jacket.
Inner Casing and Rings.

Blower Cabinet.
Blower, Belt and Pulleys.
Rubber Mounted Motor with overload protection.

Air Filters.

NOTE: DL No. CA-810 or MH No. LA-412-A Blower Switch—single pole can be furnished if desired, and if specified on order, at additional Trade Price of \$8.40.

NOTE: Blower cabinets on Allerton and Cliffdale Units can be attached to either right or left side of heating jacket.

SEE PAGE 20 FOR HUMIDIFYING EQUIPMENT; PAGE 21 FOR TEMPERATURE CONTROL EQUIPMENT.

SUNBEAM WINTER AIR CONDITIONERS

OIL FIRED

ALLERTON — Steel Heating Element
Catalogue Page S34-36
For use with Gun or Rotary Type Burners

Unit Number	Btu Capacity at Registers	Trade Prices with Standard Equipment	Approximate Shipping Weight
D-5522-G or R	107,300	\$208.00	1027
D-5524-G or R	120,000	238.00	1139
D-5527-G or R	127,900	278.00	1250

CLIFFDALE — Steel Heating Element
Catalogue Page S38, 40
For use with Gun or Rotary Type Burners

Unit Number	Btu Capacity at Registers	Trade Prices Including Smoke Tee and Standard Equipment	Approximate Shipping Weight
D-3080-G or R	162,500	\$376.00	1775
C-3480-GB or RB	177,000	457.00	1919

IMPORTANT: When ordering specify whether for use with Gun (G) or Rotary (R) Type Burner. For Gun Type Burner, Units will be equipped with mineral wool insulation and supporting and retaining plates for insulation. For Rotary Type Burners, Units will be equipped with cast iron hearth rings and brackets, hearth plate, fire box liners and mineral wool insulation. Grates and Fire Brick are not furnished. Special fire doors and burner doors are supplied.

SEE PAGE 17 FOR ARCOFLAME OIL BURNERS AND CONTROLS; PAGE 18 FOR CORRECT SIZE ARCOFLAME OIL BURNERS TO BE USED WITH THESE UNITS.

STOKER FIRED

ALLERTON — Steel Heating Element
Catalogue Page S34-36

Unit Number	Btu Capacity at Registers	Trade Prices with Standard Equipment	Approximate Shipping Weight
*D-5522-SA	107,300	\$208.00	1184
D-5524-SA	120,000	238.00	1284
D-5527-SA	127,900	278.00	1407

CLIFFDALE — Steel Heating Element
Catalogue Page S38, 40

Unit Number	Btu Capacity at Registers	Trade Prices Including Smoke Tee and Standard Equipment	Approximate Shipping Weight
D-3080-S	162,500	\$376.00	2033
C-3480-SB	177,000	457.00	2215

Unit is equipped with three steel chutes for firing from rear or left or right hand side, fire brick lining and supports. Metal plates and gaskets are provided to seal chutes not used.

When stoker is to be installed in front or below base of unit, the above models cannot be used and hand fired units as shown on page 10 should be ordered less grate assembly, ashpit door, and hand firing accessories.

*NOTE: These units equipped with steel chutes on right and left side only.

OIL FIRED OR STOKER FIRED
Standard Equipment Includes:

Square Metal Jacket.
Inner Casing and Rings.

Blower Cabinet.
Blower, Belt, and Pulleys.
Rubber mounted motor with overload protection.

Air Filters.

NOTE: Blower cabinets on Allerton and Cliffdale Models can be attached to either right or left side of heating jacket.

SEE PAGE 20 FOR HUMIDIFYING EQUIPMENT.

SUNBEAM WINTER AIR CONDITIONERS

OIL FIRED

WINTERGLO ARCOFLAME OIL HEATING UNITS

FACTORY ASSEMBLED AND PRE-WIRED

Steel Heating Element with Blower under Heating Compartment

Unit Number	Burner Model Number	Oil Firing Rate Gals. per Hr.	Btu Capacity at Bonnet	Trade Prices with Standard Equipment	Approx. Shipping Weight
1203-OB	MF-S	.85*	85,000	\$297.50	561
1205-OB	MF-S	1.00	105,000	312.00	572

1.00 Gallon Nozzle furnished. *Pump Factory set at 80 lbs. pressure.
The Winterglo Unit has Heating Element and Blower Unit enclosed in a single jacket.

Standard Equipment Includes:

Square Metal Jacket. Air Filter.
Inner Lining. Draft Stabilizer.
Blower, Belt and Pulleys. High Temperature Steel Heat Lib-O-Rator
Rubber Mounted Motor with Combustion Chamber.
Overload Protection. Master Control Switch.
Model MF-S Special Flange Type Arcoflame Oil Burner and Nozzle, CA-701 Stack Control; 411-CH Thermostat, CA-816 Blower and Limit Control.
NOTE: Detroit 411-CDN Day-Night Heat Compensated Thermostat and 772 Tem-Clock Combination may be substituted for 411-CH Thermostat — if desired, so specify on order and add \$17.63 to the above Trade Prices.

The WINTERGLO Unit, with its special flange type Arcoflame Oil Burner, is listed for closet or alcove installation by Underwriters' Laboratories, is approved for installation with less than standard clearance and may be installed on combustible flooring.

WINTERGLO WINTER AIR CONDITIONER

FACTORY ASSEMBLED AND PRE-WIRED

Steel Heating Element with Blower under Heating Compartment

Unit Number	Oil Firing Rate Gals. per Hr.	Btu Capacity at Bonnet	Trade Prices with Standard Equipment	Approx. Shipping Weight
1203-O	.85	85,000	\$177.90	472
1205-O	1.00	105,000	192.40	483

Standard Equipment Includes:

Square Metal Jacket. Air Filter.
Inner Lining. Draft Stabilizer.
Blower, Belt and Pulleys. High Temperature Steel Heat Lib-O-Rator
Rubber Mounted Motor with Combustion Chamber.
Overload Protection. Master Control Switch.

NOTE: Detroit CA-816 Blower and Limit Switch (Short Shank) can be furnished if desired, and if specified on order, at additional Trade Price of \$14.48.

When furnished less Arcoflame Oil Burner, it is recommended that unit be fired at the specified firing rate, and with an oil burner which complies with Commercial Standards CS-75.

NOTE: WINTERGLO Units are regularly furnished with filter frame which may be located on either side. If desired, and so specified on order, special air filter base for bottom return air inlet will be substituted at no additional charge.

SEE PAGE 20 FOR HUMIDIFYING EQUIPMENT.

SUNBEAM WINTER AIR CONDITIONERS

OIL FIRED

SARATOGA and WESTMORELAND ARCOFLAME OIL HEATING UNITS

Steel Heating Element
Catalogue Page S41-46

Unit Number	Burner Model Number	Nozzle Size Gallons per Hour	Btu Capacity at Registers	Trade Prices with Standard Equipment	Approximate Shipping Weight
E-1120-F	M-S	1.25*	95,000	\$317.60	1130
B-1124-BA	C-1S	1.50	150,000	409.70	1552
B-1127-BA	C-1S	2.00	200,000	499.20	1833
B-1134-BC-18- $\frac{1}{4}$	C-1S X	2.50	240,000	545.20	2174
B-1134-BC-18- $\frac{1}{2}$	L-1S	3.00	285,000	572.20	2265
B-1134-BC-21- $\frac{1}{4}$	L-1S	3.50	330,000	618.20	2401

*Set pump 80-90 lbs. pressure.

The Saratoga, No. E-1120-F, has Heating Element and Blower enclosed in single Jacket. The Westmoreland Units have Heating Element enclosed in a separate Jacket and Blower enclosed in a cabinet which can be attached to either right or left side of Heating Jacket.

Standard Equipment Includes:

Square Metal Jacket;
Inner Lining.
Blower, Belt, and Pulleys.
Rubber Mounted Motor with Overload Protection.

Air Filters.
Draft Stabilizer.
Heat Lib-O-Rator Molded Refractory Combustion Chamber.

ARCOFLAME Oil Burner and Nozzle; CA-701 Stack Control; No. 20 Control Set (411-CH Thermostat, CA-815 Blower and Limit Control).

NOTE: Detroit 411-CDN Day-Night Heat Compensated Thermostat and 772 Tem-Clock Combination may be substituted for 411-CH Thermostat in No. 20 Control Set; the suffix "A" after Control Set Number will designate this substitution. If desired, add \$17.63 to the above Trade Prices.

SARATOGA and WESTMORELAND — Steel Heating Element
Catalogue Page S41-45

Without Oil Burner or Controls

Unit Number	Recommended Nozzle Size Gallons per Hour	Btu Capacity at Registers	Trade Prices with Standard Equipment	Approximate Shipping Weight
E-1120-F	1.25	95,000	\$186.00	876
B-1124-BA	1.50	150,000	264.00	1263
B-1127-BA	2.00	200,000	352.00	1521
B-1134-BC-18- $\frac{1}{4}$	2.50	240,000	398.00	1861
B-1134-BC-18- $\frac{1}{2}$	3.00	285,000	410.00	1879
B-1134-BC-21- $\frac{1}{4}$	3.50	330,000	456.00	2014

Standard Equipment Includes:

Square Metal Jacket.
Inner Lining.
Blower, Belt, and Pulleys.
Rubber Mounted Motor with Overload Protection.

Air Filters.
Mineral Wool Insulation.
Refractory Brick.

SEE PAGE 17 FOR ARCOFLAME BURNERS AND CONTROLS; PAGE 18 FOR HEAT LIB-O-RATOR COMBUSTION CHAMBERS; PAGE 20 FOR HUMIDIFYING EQUIPMENT.

Gas Fired

SUNBEAM WINTER AIR CONDITIONERS

SENECA — GAS FIRED — Catalogue Page S47-48, 60

Steel Heating Element — With Blower at Right of Heating Compartment

Unit Number	For Use with Manufactured, Natural or Mixed Gas; L. P. Gas and Butane-Air Gas (525 Btu, 1.16 Sp. Gr.)		Trade Prices with Standard Equipment	Approx. Shipping Weight
	A.G.A. Rating Btu Input per Hour	Btu Capacity at Registers	Control Combinations AC-1, AC-2 or AC-4	
SL-85	85,000	57,800	\$188.00	414
SL-105	105,000	71,400	198.00	463
SL-125	125,000	85,000	225.00	505
SL-150	150,000	102,000	246.00	590

WYANDOTTE — GAS FIRED — Catalogue Page S49-50, 60 — FACTORY ASSEMBLED

Steel Heating Element — With Blower Under Heating Compartment

Unit Number	For Use with Manufactured, Natural or Mixed Gas; L. P. Gas and Butane-Air Gas (525 Btu, 1.16 Sp. Gr.)		Trade Prices with Standard Equipment	Approx. Shipping Weight
	A.G.A. Rating Btu Input per Hour	Btu Capacity at Bonnet	Control Combinations AC-1, AC-2 or AC-4	
SUA-55	55,000	44,000	\$174.00	295
SUA-70	70,000	56,000	182.00	393
SUA-85	85,000	68,000	192.00	423
SUA-105	105,000	84,000	203.00	500

Standard Equipment Includes:

Metal Jacket.
Steel Heating Element.
Pilot Filter and Gas Pressure Regulator (except for L. P. Gas).
Manual Shut-off Valve.
Series No. 500 Base Automatic Pilot Valve.
Control Combination as Specified.

Air Filters.
Ribbon Burners.
Draft Hood.
Blower-Motor Unit.

Control Combination AC-1	Control Combination AC-2	Control Combination AC-4
For Use with Manufactured, Natural or Mixed Gas	For Use with Manufactured, Natural or Mixed Gas	For Use with L. P. Gas or Butane-Air Gas (525 Btu, 1.16 Sp. Gr.) (Arranged for 100% Safety Shut-off)
Detroit No. 411-CH Plain Thermostat. Detroit No. V-570 Automatic Gas Valve with Transformer. Detroit No. CA-815 Blower and Limit Switch.	MH No. T-81-A Plain Thermostat. MH Solenoid Gas Valve with Transformer: V-835-A except for SL-125 and SL-150 for Mfd. Gas. V-84-A with SL-125 and SL-150 for Mfd. Gas. MH No. LA-101-A Blower and Limit Switch.	Detroit No. 411-CH Plain Thermostat. Detroit Automatic Gas Valve and Transformer: No. V-570 for Butane-Air Gas (525 Btu, 1.16 Sp. Gr.) No. V-571 for L. P. Gas. Detroit No. CA-815 Blower and Limit Switch.

CONTROL COMBINATION BY NUMBER MUST BE SPECIFIED WITH EACH UNIT.

WYANDOTTE Units are regularly furnished with filter frame which may be located on either side. If desired, and so specified on order, special Air Filter Base for bottom return air inlet will be substituted at no additional charge.

SEE PAGE 20 FOR COMBINATION "S" FLOAT HUMIDIFIER; PAGE 21 FOR OPTIONAL TEMPERATURE CONTROL EQUIPMENT.

Instructions for Ordering

- Orders must specify (1) Control Combination desired.
(2) Type of Gas. (If L. P. Gas, whether Butane or Propane.)
(3) Heat Value of Gas—Btu (at 60°F. and 30 inches Hg).
(4) Pressure available at outlet of Gas Meter.
(5) Specific Gravity of Gas.
(6) Elevation at point of installation if in excess of 2,000 feet.

RATINGS INDICATED ABOVE ARE FOR INSTALLATIONS AT SEA LEVEL AND AT ELEVATIONS UP TO 2,000 FEET. FOR RATINGS FROM 2,000 FEET TO 5,200 FEET AND ABOVE, REFER TO CURRENT LITERATURE.

SUNBEAM WINTER AIR CONDITIONERS

MOHAWK — GAS FIRED
Catalogue Page S51-54, 60
Cast Iron Heating Element

Unit Number	For Use with Manufactured, Natural or Mixed Gas; L. P. Gas and Butane-Air Gas (525 Btu, 1.16 Sp. Gr.)		Trade Prices with Standard Equipment	Approx. Shipping Weight
	A.G.A. Rating Btu Input per Hour	Btu Capacity at Registers	Control Combinations AC-2, AC-3* or AC-4	
†K-60	60,000	40,800	\$212.00	527
K-80	80,000	54,400	235.00	785
K-100	100,000	68,000	260.00	847
K-120	120,000	81,600	290.00	905
K-150	150,000	102,000	330.00	1239
K-180	180,000	122,400	375.00	1246
K-200	200,000	136,000	405.00	1557
K-240	240,000	163,200	457.00	1605
††K-300	300,000	204,000	542.00	1883

Standard Equipment Includes:

Metal Jacket.
Cast Iron Heating Sections.
Pilot Filter and Gas Pressure Regulator (except for L. P. Gas).
Blower-Motor Unit.
Series No. 322 Base Automatic Pilot Valve for each section for Manufactured, Natural and Mixed Gas—(Control Combinations AC-2 and AC-3).
Series No. 500 Base Automatic Pilot Valve (arranged for 100% Safety Shut-off for L. P. Gas and Butane-Air Gas, 525 Btu, 1.16 Sp. Gr.)—(Control Combination AC-4).
Control Combination as specified.

Manual Shut-off Valve.
Air Filters.
Ribbon Burners.
Draft Hood.

Control Combination AC-2	Control Combination AC-3	*Control Combination AC-4
For Use with Manufactured, Natural or Mixed Gas	For Use with Manufactured, Natural or Mixed Gas	For Use with L. P. Gas or Butane-Air Gas (525 Btu, 1.16 Sp. Gr.) (Arranged for 100% Safety Shut-off)
MH No. T-81-A Plain Thermostat. MH Solenoid Gas Valve and Transformer: V-835-A on K-60 through K-100 for Mfd. Gas; on K-60 through K-150 for Nat. and Mixed Gas. V-84-A for remainder of Mohawk units. MH No. LA-101-A Blower and Limit Switch.	Detroit No. 411-CH Plain Thermostat. Detroit No. V-574 Step Acting Automatic Gas Valve with Mechanical Limit Control and Transformer, Manual Opening Feature, Automatic Recycling. Detroit No. CA-810 Blower Switch. Note: K-60 furnished with No. V-570 Automatic Gas Valve and No. CA-815 Blower and Limit Switch.	Detroit No. 411-CH Plain Thermostat. Detroit No. V-574 Step Acting Automatic Gas Valve with Mechanical Limit Control and Transformer, Manual Opening Feature, Automatic Recycling. (Special for L. P. Gas.) Detroit No. CA-810 Blower Switch. *Not available with K-60.

†K-60 Unit not available for use with Butane-Air Gas.
For L. P. Gas, K-60 Trade Price indicated above includes MH No. T-11-A Plain Thermostat, V-155-A Gas Valve, LA-101-A Blower and Limit Switch and special Control for 100% Safety Shut-off.

††K-300 Unit not available for use with Butane-Air Gas.

*K-80, K-100 and K-120 Units are available with Push Button Electric Ignition, on special order, with control combination AC-3 for Manufactured, Natural or Mixed Gas. When desired, specify control combination AC-3E and add \$15.00 to Trade Price of Unit with AC-3 controls.

CONTROL COMBINATION BY NUMBER MUST BE SPECIFIED WITH EACH UNIT.

SEE PAGE 20 FOR HUMIDIFYING EQUIPMENT; PAGE 21 FOR OPTIONAL TEMPERATURE CONTROL EQUIPMENT.

Instructions for Ordering

- Orders must specify (1) Control Combination desired.
(2) Type of Gas (If L. P. Gas, whether Butane or Propane).
(3) Heat Value of Gas—Btu (at 60°F. and 30 inches Hg).
(4) Pressure available at outlet of Gas Meter.
(5) Specific gravity of Gas.
(6) Elevation at point of installation if in excess of 2,000 feet.

RATINGS INDICATED ABOVE ARE FOR INSTALLATIONS AT SEA LEVEL AND AT ELEVATIONS UP TO 2,000 FEET. FOR RATINGS FROM 2,000 FEET TO 5,200 FEET AND ABOVE, REFER TO CURRENT LITERATURE.

Gas Fired

AMERICAN-Standard HEATING EQUIPMENT

Sunbeam Winter Air
Conditioners

SUNBEAM WINTER AIR CONDITIONERS **CHIPPEWA — GAS FIRED — FACTORY ASSEMBLED**

Catalogue Page S55, 60
Cast Iron Heating Element
With Blower Under Heating Compartment

Unit Number	For Use with Manufactured, Natural or Mixed Gas; L. P. Gas and Butane-Air Gas (525 Btu, 1.16 Sp. Gr.)		Trade Prices with Standard Equipment	Approx. Shipping Weight
	A.G.A. Rating Btu Input per Hour	Btu Capacity at Bonnet	Control Combinations A-7, A-16 or A-17	
KUA-60	60,000	48,000	\$224.00	500

Standard Equipment Includes:

Metal Jacket.
Cast Iron Heating Element.
Pilot Filter and Gas Pressure Regulator (except for L. P. Gas).
Manual Shut-off Valve.
Blower-Motor Unit.
Air Filters.
Ribbon Burner.
Draft Hood.
Series No. 500 Baso Automatic Pilot Valve (arranged for 100% Safety Shut-off for
L. P. Gas and Butane-Air Gas, 525 Btu, 1.16 Sp. Gr.)—(Control Combination A-17).
Control Combination as specified.

Control Combination No. A-7	Control Combination No. A-16
For Use with Manufactured, Natural, or Mixed Gas.	For Use with Manufactured, Natural, or Mixed Gas.
MH No. T-81-A Plain Thermostat. MH No. V-835-A Solenoid Gas Valve and Transformer. MH No. LA-101-A Blower and Limit Switch.	Detroit No. 411-CH Plain Thermostat. Detroit No. V-574 Step Acting Automatic Gas Valve with Mechanical Limit Control and Transformer, Manual Opening Feature, Automatic Recycling. Detroit No. CA-810 Blower Switch.

Control Combination No. A-17

For Use with L. P. Gas or Butane-Air Gas
(525 Btu, 1.16 Sp. Gr.)

Detroit No. 411-CH Plain Thermostat.
Detroit Electric Gas Valve and Transformer:
No. V-571 for L. P. Gas.
No. V-570 for Butane-Air Gas (525 Btu, 1.16 Sp. Gr.)
Detroit No. CA-815 Blower and Limit Switch.

The Chippewa Unit is available with Push Button Electric Ignition, on special order, with control combination A-16 for Manufactured, Natural or Mixed Gas. When desired, specify control combination A-16E and add \$15.00 to Trade Price of Unit with A-16 controls.

CONTROL COMBINATION BY NUMBER MUST BE SPECIFIED WITH EACH UNIT.

The Chippewa Unit is regularly furnished with filter frame which may be located on either side.
If desired, and so specified on order, special Air Filter Base for bottom return air inlet will be substituted at no additional charge.

SEE PAGE 20 FOR HUMIDIFYING EQUIPMENT; PAGE 21 FOR OPTIONAL TEMPERATURE CONTROL EQUIPMENT.

Instructions for Ordering

- Orders must specify (1) Control Combination desired.
(2) Type of Gas. (If L. P. Gas, whether Butane or Propane.)
(3) Heat Value of Gas—Btu (at 60°F. and 30 inches Hg).
(4) Pressure available at outlet of Gas Meter.
(5) Specific Gravity of Gas.
(6) Elevation at point of installation if in excess of 2,000 feet.

RATINGS INDICATED ABOVE ARE FOR INSTALLATIONS AT SEA LEVEL AND AT ELEVATIONS UP TO 2,000 FEET. FOR RATINGS FROM 2,000 FEET TO 5,200 FEET AND ABOVE, REFER TO CURRENT LITERATURE.

ARCOFLAME OIL BURNERS

COMPLETE WITH
STANDARD ARCOFLAME BURNER CONTROL SET AND NOZZLE†
Catalogue Page S46

(A Standard Arcoflame Burner Control Set Must Be Purchased With Each Arcoflame Burner)

Model Number	With Control Set Number	Contents of Arcoflame Standard Control Sets	Trade Prices
C-1S	19 For Gravity Furnaces	No. 411-CH Thermostat. No. CA-805 Air Limit Control.	\$124.50
C-2S	20 For Winter Air Conditioners	No. 411-CH Thermostat. No. CA-815 Combination Blower and Limit Control.	130.70
C-3S	For Use on 115 Volt, 60-Cycle Current MAXIMUM CAPACITY 3.00 GALLONS OIL PER HOUR Approximate Shipping Weight 140 pounds		
L-1S	19 For Gravity Furnaces	No. 411-CH Thermostat. No. CA-805 Air Limit Control.	\$137.50
L-3S	20 For Winter Air Conditioners	No. 411-CH Thermostat. No. CA-815 Combination Blower and Limit Control.	143.70
	For Use on 115 Volt, 60-Cycle Current MAXIMUM CAPACITY 7.00 GALLONS OIL PER HOUR Approximate Shipping Weight 165 pounds		

IMPORTANT: When substitution of 411-CDN and 772 combination is made for 411-CH such control sets will be designated by suffix "A" after control set number. If desired, add \$17.63 to above Trade Prices.
†When ordering Arcoflame Oil Burner be sure to specify Nozzle size desired.

IMPORTANT NOTICE

Trade Prices for Arcoflame Burners and Standard Burner Control Sets as shown above include, in addition to the Nozzle and Controls as listed, a No. CA-701 Arcoflame Stack Control.
Arcoflame Burners will be sold only when ordered in combination with one of the Arcoflame Standard Burner Control Sets, as shown above. Additional Arcoflame Controls may be purchased separately at Trade Prices shown below.
When Arcoflame Burner is ordered with Nozzle Sizes of 1.25 and 1.35 Gallons per Hour, Special Turbulator Attachment is furnished at no additional charge.
Arcoflame Oil Burners are approved by the National Board of Fire Underwriters and comply with Commercial Standards CS-75.
IMPORTANT NOTE: Motors and Controls regularly furnished are for 115 Volt, 60 Cycle A. C.

CONTROLS FOR ARCOFLAME OIL BURNERS
Catalogue Page S61-62

Trade Prices — When Ordered Separately

Stock Number	Description Standard Controls—115 Volt, 60 Cycle	Trade Prices
CA-701	Stack Control (Intermittent Ignition).....	\$27.00
411-CH	Detroit Heat Compensated Thermostat Low Voltage (Scale 40°-90°F.).....	8.55
**411-CDN	Detroit Day-Night Heat Compensated Thermostat (Scale 40°-90°F.).....	9.45
411-TD	Detroit Night Turn-down Assembly.....	1.35
**772	Tem-Clock with Transformer.....	16.73
CA-805	Detroit Air Limit Control (High Voltage) (Scale 100°-300°F.) (Stop 250°F.).....	7.35
CA-815	Detroit Combination Blower and Limit Control (High Voltage) (Scale Blower 75°-225°, Limit 100°-300°, Stop 200°F.).....	14.48
CA-810	Detroit Furnace Blower Control (High Voltage) (Scale 75°-275°F.).....	8.40
CA-295	Detroit Relay Transformer.....	8.78

**411-CDN Thermostat is used only in combination with 772 Tem-Clock.
†Order 411-TD and 772 Tem-Clock to convert existing 411-CH Plain Thermostat to Automatic Day-Night operation.

**ARCOFLAME CONVERSION OIL BURNERS
FOR USE WITH SUNBEAM GRAVITY FURNACES**

KENWOOD		ARLINGTON AND ARLINGTON "SQUARE"	
A-1018-CD or BD	C-2S	D-520-G or D-520-SQG	C-2S
A-1040-CD or BD	C-3S	D-522-G or D-522-SQG	C-2S
A-1044-CD or BD	C-3S	D-524-G or D-524-SQG	C-2S
A-1048-CD or BD	C-3S	D-527-G or D-527-SQG	C-2S
A-1052-CD or BD	C-3S		
		CLIFTON	
		D-8030-G	C-2S
		C-8034-G	L-3S

FOR USE WITH SUNBEAM WINTER AIR CONDITIONERS

ALLERTON		CLIFFDALE	
D-5520	C-2S	D-3080-G	C-2S
D-5522-G	C-2S	C-3480-GB	L-3S
D-5524-G	C-2S		
D-5527-G	C-2S		

Combustion Chambers not furnished. See Arcoflame Oil Burner Installation and Service Guide for suggested size and shape.

NOZZLES AND STRAINERS

FOR CONVERSION OIL BURNERS				FOR SARATOGA AND WESTMORELAND UNITS		
For Model C		For Model L		Unit Number	Gals. per Hr.	Spray Angle
Gals. per Hr.	Spray Angle	Gals. per Hr.	Spray Angle			
**1.25	80°	3.00	60°	E-1120-F	1.25*	80°
**1.35	80°	3.50	60°	B-1124-BA	1.50	60°
1.50	80°	4.00	60°	B-1127-BA	2.00	80°
1.65	80°	4.50	60°	B-1134-BC-18-1/4	2.50	45°
1.75	60°	5.00	60°	B-1134-BC-18-1/2	3.00	60°
2.00	60°	5.50	60°	B-1134-BC-21-1/4	3.50	60°
2.25	60°	6.00	60°			
2.50	60°	6.50	60°			
2.75	60°	7.00	60°			
3.00	60°					

*Set Pump at 80-90 lbs. pressure if 1.25 Nozzle is used.
**When these Nozzles are used in Model "C" Arcoflame Burners, the Special Turbulator Attachment should be used. Special Turbulator Attachment furnished at no additional charge when these nozzles are supplied as part of one of the Standard Arcoflame Burner Control Sets shown on page 17.

**HEAT LIB-O-RATOR MOLDED REFRACTORY COMBUSTION CHAMBERS
FOR SARATOGA and WESTMORELAND UNITS
Trade Prices — When Ordered Separately**

Stock Number	Sunbeam Unit Number	Max. Gals. per Hour	Trade Prices
0 S	E-1120-F	1.50	\$12.00
1 S	B-1124-BA	1.75	15.00
2 S	B-1127-BA B-1134-BC-18-1/4	2.25	16.50
3 S	B-1134-BC-18-1/2 B-1134-BC-21-1/4	3.75	18.50

SUNBEAM BLOWER-FILTER UNITS

With Cabinet and Filters

Catalogue Page S22-27

Unit Number	Diameter of Wheel	Motor Horsepower	Trade Prices	Approx. Shipping Weight
D-1-9	9"	1/6	\$ 60.00	142
D-1-10 1/2	10 1/2"	1/4	66.00	146
D-1-12	12"	1/4	76.00	181
D-1-15	15"	1/3	114.00	241
1-18-FB	18"	1/2	172.00	478
1-21-FB	21"	3/4	230.00	633

NOTE: DL No. CA-810 or MH No. LA-412-A Blower Switch—single pole can be furnished if desired, and if specified on order, at additional Trade Price of \$8.40.

AIR FILTERS FOR REPLACEMENT

Catalogue Page S57

Standard Filter Sizes	Trade Prices Each	
	1" Thick	2" Thick
20" x 25"	\$0.86	\$1.33
20" x 20"	.65	1.16
16" x 25"	.80	1.16
16" x 20"	.80	1.16
15" x 20"	.80	1.16
10" x 20"	.70	.97

NOTE: Filters as shown at left are packaged in cartons of twelve (12) of one size and must be ordered in this minimum quantity.

HUMIDIFYING EQUIPMENT

Humidifier Number	Description	Trade Prices
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FOR GRAVITY FURNACES:

WA Catalogue Page S28	Automatic Drip Humidifier: Self-contained Heat Actuated Feed Valve Assembly, Metal Pan, Shut-off Valve, Water Line and Couplings.	\$ 9.25
	Water Pan for ARLINGTON "SQUARE" Water Pan with Cast Iron Frame that attaches to Jacket.	\$ 3.50

FOR WINTER AIR CONDITIONERS:

H-4x Catalogue Page S58	Automatic Spray Humidifier: (For use with all Winter Air Conditioners except Seneca and Wyandotte Units) No. H-14 Friez Humidistat. No. V-837-A Solenoid Water Valve including Transformer. 2 No. 390 Water Strainers. No. 26 Water Pressure Reducing Valve. No. 50 Assembly including: Tubing and Fittings, Shut-Off Valve, 4 Spray Nozzles with individual Shut-Off Valves. Spray Pan with capacity Adjusting Plate. Nozzle Cleaning Rod, 3 Rubber Caps for Spray Nozzles not in use.	\$45.00
S-400 Catalogue Page S58	Float Humidifier: Evaporating Plates. Evaporating Pan. Water Reservoir with Float and Valve. Flexible Tube and Pipe Clamp Valve. S-401: For SUA-55; K-60; KUA-60. S-402: For D-5520, D-5522, D-5524; 1203-OB,-O; 1205-OB,-O; E-1120-F; SL-85, SL-105, SL-125, SL-150; SUA-70, SUA-85, SUA-105; K-80, K-100, K-120, K-150. S-403: For D-5527; B-1124-BA; K-180, K-200, K-240. S-404: For D-3080; B-1127-BA; K-300. S-405: For C-3480-B; B-1134-BC-18- $\frac{1}{4}$,-18- $\frac{1}{4}$,-21- $\frac{1}{4}$. Extra Evaporating Plates, Trade Price Each \$.17	\$11.65 11.65 12.75 13.75 15.00
	Water Pan for ALLERTON, CLIFFDALE, SARATOGA and WESTMORELAND Water Pan with Cast Iron Frame that attaches to Jacket.	\$ 3.50

Sunbeam

AMERICAN-Standard

HEATING EQUIPMENT

Temperature
Control Equipment

Combination	Description	Trade Prices
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FOR ALL HAND FIRED GRAVITY FURNACES:

M-x Catalogue Page S29	Mechanically Controlled	\$ 8.40
	MH Metaphram Draft Control. A self-contained mechanical draft and check regulating instrument.	
A-1x Catalogue Page S28	Thermostatically Controlled	\$33.15
	MH No. T-81-A Plain Thermostat. MH No. LA-119-A Limit Switch (Airstat). MH No. M-87-A Damper Motor with Transformer. No. 933 Accessories (Chain, S-Hooks and Pulleys).	

FOR ALL HAND FIRED WINTER AIR CONDITIONERS:

M-x Catalogue Page S59	Mechanically Controlled	\$ 8.40
	MH Metaphram Draft Control. A self-contained mechanical draft and check regulating instrument.	
B-1x Catalogue Page S59	Thermostatically Controlled	\$40.20
	No. CA-810 DL Blower Switch. No. LA-412-A MH Blower Switch (Furnacestat). When Room Thermostat Draft Controls are not used, a blower switch is necessary for starting and stopping blower when bonnet temperature rises or falls. When controls as listed in Combination B-1X below are used, blower switch is included in control equipment.	
B-5x	Thermostatically Controlled	\$57.83
	MH No. T-81-A Plain Thermostat. MH No. LA-101-A Blower and Limit Switch (Furnacestat). MH No. M-87-A Damper Motor with Transformer. No. 933 Accessories (Chain, S-Hooks and Pulleys).	
B-6x	Thermostatically Controlled	\$57.83
	Same as above except with substitution of MH No. T-847-A Chronotherm for No. T-81-A Plain Thermostat.	

OPTIONAL THERMOSTATS

OPTIONAL THERMOSTAT—Description	Extra* Trade Prices	For Use only with		Replaces
		Unit	Control Combination No.	
411-CDN Day-Night Heat Compensated Thermostat AND 772 Tem-Clock	\$17.63	SHAWNEE SENECA and WYANDOTTE MOHAWK CHIPPEWA	GF-1 or GF-4 AC-1 or AC-4 AC-3 or AC-4 A-16 or A-17	411-CH Plain Thermostat
T-801-A Time-O-Stat	\$ 5.93	SAGINAW SHAWNEE	E GF-2	T-81-A Plain Thermostat
T-847-A Night and Day Electric Clock Thermostat (Chronotherm)	\$17.63	SENECA and WYANDOTTE MOHAWK CHIPPEWA	AC-2 AC-2 A-7	

*These Extras to be added to Trade Prices of Units. Do not apply if ordered separately.

AUTOMATIC NIGHT TURN DOWN ASSEMBLY

No.	Description	Trade Price	For Use only with	
			Unit	Control Combination No.
411-TD Night Turn Down assembly AND 772 Tem-Clock	Used to convert existing 411-CH Plain Thermostat to automatic Day-Night operation	\$18.08	SHAWNEE SENECA and WYANDOTTE MOHAWK CHIPPEWA	GF-1 or GF-4 AC-1 or AC-4 AC-3 or AC-4 A-16 or A-17

GAS FIRED AUTOMATIC STORAGE WATER HEATERS

GALVANIZED STEEL

Temperature and Pressure Relief Valve, \$4.00 Trade Price Extra

AMERICAN BUDGET

(For Use with Manufactured, Natural or Mixed Gas)

Heater No.	Capacity Gallons	Btu Input	Recov. Gals. per Hour 60° Rise	WITH ANODE		LESS ANODE	
				Trade Prices	Approx. Shipping Weight	Trade Prices	Approx. Shipping Weight
204-S	20	20,000	28.0	\$46.90	171	\$43.40	166
304-S	30	26,000	36.4	57.75	214	54.25	209
404-S	40	30,000	42.0	78.50	245	75.00	240

(For Use with Liquefied Petroleum Gas)

Heater No.	Capacity Gallons	Btu Input	Recov. Gals. per Hour 60° Rise	WITH ANODE		LESS ANODE	
				Trade Prices	Approx. Shipping Weight	Trade Prices	Approx. Shipping Weight
204-S	20	19,000	26.6	\$50.40	171	\$46.90	166
304-S	30	26,000	36.4	57.75	214	54.25	209
404-S	40	30,000	42.0	82.00	245	78.50	240

Models for Liquefied Petroleum Gas are furnished with special thermostat and safety pilot to provide for 100% shut-off of gas to both the main burner and the pilot burner in the event of pilot failure.

(For Use with Butane-Air Gas: 525 Btu, 1.16 Sp. Gr.)

Heater No.	Capacity Gallons	Btu Input	Recov. Gals. per Hour 60° Rise	WITH ANODE		LESS ANODE	
				Trade Prices	Approx. Shipping Weight	Trade Prices	Approx. Shipping Weight
204-S	20	19,000	26.6	\$50.40	171	\$46.90	166
304-S	30	26,000	36.4	57.75	214	54.25	209
404-S	40	21,000	29.4	82.00	245	78.50	240

Gas Inlet 1/2" I.P.S.

Center Flue-Connection 3"

Size of Water Connection 1/2"

HIGH ALTITUDE (2000-5200 feet) RATING FOR NO. 304-S FOR USE WITH MANUFACTURED, NATURAL, MIXED AND LIQUEFIED PETROLEUM GASES, INCLUDING BUTANE-AIR (525 Btu, 1.16 Sp. Gr.) - 24,000 Btu INPUT; RECOVERY GALLONS PER HOUR, 60° RISE-33.6.

RATINGS SHOWN FOR NO. 204-S AND NO. 404-S ARE FOR SEA LEVEL. RATINGS SHOULD BE REDUCED AT THE RATE OF 5 PER CENT FOR EACH 1,000 FEET ABOVE SEA LEVEL.



SE-4

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